

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims regarding the present application.

- 1 1. (Currently amended) A menu-driven electronic device comprising:
 - 2 a. a display configured to selectively display at least one of a plurality of menus, including a main menu and a sub-menu; and
 - 3 b. a two-dimensional navigation key configured as a single-button including four sets of contact points, wherein the two-dimensional navigation key is configured to select and perform an action corresponding to one of a plurality of main menu items of the main menu and to select and perform an action corresponding to a sub-menu item of the sub-menu associated with a selected main menu item using the four sets of contact points, further wherein the two-dimensional navigation key is configured to allow viewing of sub-menu items of the a sub-menu associated with another main menu item directly from the sub-menu associated with the selected main menu item by a single access of the two-dimensional navigation key.
- 1 2. (Original) The device according to claim 1, wherein at least a portion of the plurality of main menu items is displayed, and further wherein both the main menu and the sub-menu can be accessed by maintaining contact with the two-dimensional key.
- 1 3. (Original) The device according to claim 1, wherein the device is configured to allow navigation through the plurality of menus by using the two-dimensional navigation key.
- 1 4. (Original) The device according to claim 1, wherein the device is configured to allow navigation through the plurality of menus while maintaining tactile contact with the two-dimensional navigation key.
- 1 5. (Original) The device according to claim 1, wherein the device is configured to allow toggling among at least two control levels by a single access of the two-dimensional navigation key.

- 1 6. (Original) The device according to claim 1, wherein the device is configured to allow
2 toggling between the main menu and one of the plurality of main menu items by using a
3 first direction of the two-dimensional navigation key and to allow toggling between the
4 selected main menu item and the sub-menu associated with the selected main menu item
5 by using a second direction of the two-dimensional navigation key.

- 1 7. (Original) The device according to claim 1, wherein the device is configured to allow
2 scrolling among at least two control levels by a single access of the two-dimensional
3 navigation key.

- 1 8. (Original) The device according to claim 1, wherein the device is configured to display
2 the selected main menu item simultaneously with the sub-menu associated with the
3 selected main menu item.

- 1 9. (Original) The device according to claim 1, wherein the device is configured to display
2 the selected main menu item simultaneously with a plurality of sub-menu items
3 associated with the selected main menu item.

- 1 10. (Original) The device according to claim 1, wherein the plurality of menus are organized
2 in a menu tree.

- 1 11. (Original) The device according to claim 1, wherein the main menu further comprises a
2 main menu item icon representing a main menu item.

- 1 12. (Original) The device according to claim 11, wherein the device is configured to display
2 the main menu item icon to provide a visual reference to an item in the menu tree of the
3 menu being displayed.

- 1 13. (Original) The device according to claim 12, wherein when the device displays at least a
2 portion of the main menu, the main menu item icon is displayed in a first appearance, and
3 when the device displays the sub-menu, the main menu item icon is displayed in a second
4 appearance different from the first appearance.

- 1 14. (Original) The device according to claim 13, wherein the first appearance differs from
2 the second appearance by at least one of size, shape, color, highlighting, and pattern.
- 1 15. (Original) The device according to claim 14, wherein when the device displays the sub-
2 menu, the main menu item icon is displayed in a third size different from the first size and
3 the second size.
- 1 16. (Original) The device according to claim 9, wherein the main menu further comprises a
2 non-graphical listing of the plurality of sub-menu items of the sub-menu associated with
3 the selected main menu item.
- 1 17. (Original) The device according to claim 1, wherein the device is a phone.
- 1 18. (Canceled) A menu-driven wireless telecommunications device comprising:
 - 2 a. a display configured to selectively display at least one of a plurality of menus,
3 including a main menu and a sub-menu; and
 - 4 b. a two-dimensional navigation key configured as a single-button including four
5 sets of contact points, wherein the two-dimensional navigation key is configured
6 to select and perform an action corresponding to one of a plurality of main menu
7 items of the main menu and to select and perform an action corresponding to a
8 sub-menu item of the sub-menu associated with a selected main menu item using
9 the four sets of contact points,
10 wherein the device displays a plurality of sub-menu items.
- 1 19. (Canceled) The device according to claim 18, wherein when the device displays on the
2 display the sub-menu associated to the selected main menu item, a main menu icon is
3 displayed in the sub-menu to provide a visual reference to the selected main menu item
4 in the menu tree of the menu being displayed.
- 1 20. (Canceled) The device according to claim 18, wherein the plurality of menus includes a
2 first sub-menu and a second sub-menu, wherein the first sub-menu further comprises a

3 plurality of first sub-menu items and further wherein one of the plurality of first sub-menu
4 items is associated to a second sub-menu.

1 21. (Canceled) The device according to claim 20, wherein the second sub-menu further
2 comprises a plurality of second sub-menu items.

1 22. (Canceled) The device according to claim 21, wherein a third orientation of the two-
2 dimensional navigation key is configured to select one of the plurality of second sub-
3 menu items.

1 23. (Currently amended) A menu-driven wireless telecommunications device comprising:
2 a. a display configured to selectively display at least one of a plurality of menus,
3 including a main menu, a first sub-menu, and a second sub-menu; and
4 b. a two-dimensional navigation key configured as a single-button including four
5 sets of contact points, wherein the two-dimensional navigation key is configured
6 to select and perform an action corresponding to one of a plurality of main menu
7 items of the main menu, to select and perform an action corresponding to a first
8 sub-menu item of the first sub-menu associated with a selected main menu item,
9 and further to select and perform an action corresponding to a second sub-menu
10 item of the second sub-menu associated with the selected main menu item using
11 the four sets of contact points, and wherein the two-dimensional navigation key is
12 configured to allow viewing of sub-menu items of ~~the~~ a sub-menu associated with
13 another main menu item directly from the sub-menu associated with the selected
14 main menu item by a single access of the two-dimensional navigation key.

1 24. (Original) The device according to claim 23, wherein the device is configured to allow
2 scrolling between the main menu and one of the plurality of main menu items by using a
3 first direction of the two-dimensional navigation key, to allow scrolling between the
4 selected main menu item and the first sub-menu associated with the selected main menu
5 item by using a second direction of the two-dimensional navigation key, and further to
6 allow scrolling between the second sub-menu associated with the selected main menu
7 item and a second sub-menu item by using a third direction of the two-dimensional
8 navigation key.

1 25. (Original) The device according to claim 24, wherein the third direction corresponds
2 with the first direction of the two-dimensional navigation key.

1 26. (Original) The device according to claim 23, wherein the device is configured to display
2 a main menu item icon to provide a visual reference to an item in a menu tree of the menu
3 being displayed.

1 27. (Currently amended) A menu-driven wireless telecommunications device comprising:
2 a. a display configured to selectively display at least one of a plurality of menu trees,
3 including a plurality of main menus items, each having a plurality of sub-menus
4 items; and
5 b. a two-dimensional navigation key configured as a single-button configured to
6 operate along two orthogonal paths such that each of the orthogonal paths has two
7 directions along the path wherein:
8 i. operating the key along a first of the orthogonal paths selects a preferred
9 main menu item from among the plurality of main menus items;
10 ii. operating the key along a second of the orthogonal paths selects a
11 preferred sub-menu item among the plurality of sub-menus items; and
12 iii. operating the key along the first orthogonal path activates the selected sub-
13 a secondary main menu item, wherein the two-dimensional navigation key
14 is configured to allow viewing of the a plurality of sub-menus items
15 associated with another the secondary main menu item directly from the
16 plurality of sub-menus items associated with the preferred main menu item
17 by a single access of the two-dimensional navigation key.

1 28. (Previously amended) The device according to claim 27, wherein when the menu trees
2 have multiple sub-menu levels such that each next level is traversed by changing between
3 the first orthogonal path and the second orthogonal path unto a lowest level is achieved
4 wherein a selected lowest level sub-menu is activated by changing between the first
5 orthogonal path and the second orthogonal path.

1 29. (Currently amended) The device according to claim 27, wherein the plurality of menus
2 items includes a first sub-menu and a second sub-menu, wherein the first sub-menu
3 further comprises a plurality of first sub-menu items and further wherein one of the
4 plurality of first sub-menu items is associated to a second sub-menu.

1 30. (Previously amended) The device according to claim 29, wherein the second sub-menu
2 further comprises a plurality of second sub-menu items.

1 31. (Previously amended) The device according to claim 30, wherein a third orientation of
2 the two-dimensional navigation key is configured to select one of the plurality of second
 sub-menu items.